

Johann West

 [github.com](#)  [johannwestportfolio.com](#)  [linkedin.com](#)  johnann.s.west@vanderbilt.edu

EDUCATION

Vanderbilt University

Bachelor of Science in Computer Science

May 2024

Major GPA: 3.4/4.0

Relevant Courses: Programming Design and Data Structures, Software Design, Database Management, Algorithms, Operating Systems, Principles of Software Development

Awards: John W. and Ann Johnson Scholarship Recipient, Dean's List

EXPERIENCE

CS Undergraduate Researcher | Vanderbilt University

August 2023 – Present

Quality Adjusted Life Years Computation App

- Developed an application to provide a method of producing QALY calculations at scale to measure the impact of altruistic efforts utilizing an LLM AI approach.
- Presented final report and research study findings at the 2023 Vanderbilt Undergraduate Research Fair.
- Skills: Large Language Models, Express.js, React.js, JavaScript, MongoDB

Software Development Intern II | Chalkline (30+ Employee SaaS startup)

May 2023 – August 2023

Bettor Analytics Application: B2B Business Analytics Web Application

- Spearheaded the development of .NET and Vue.js CRUD tooling and reporting application.
- Engineered 30+ API endpoints to fulfill functional project requirements, implement protected routing, and leverage user authentication.
- Designed frontend user-interface using Vue.js, maintaining MVC design principles
- Crafted 10+ dynamic views and tools enabling B2B clients to securely access, analyze, and modify vital business data.
- Skills: .NET, C#, Vue.js, PostgreSQL, AWS, Bitbucket/Jira, Agile, Git, MVC pattern.

Software Development Intern | Chalkline (30+ Employee SaaS startup)

Sept. 2022 – March 2023

Chalkline User Fulfillment Application: Internal CRUD Data Management Application

- Implemented an automated system managing transactional email logic, eliminating 10+ person-hours per week by automating 5000+ transactional emails monthly.
- Developed CRUD user interface, allowing employees to manage states of 1,400,000+ user instances.
- Skills: React.js, JavaScript, PostgreSQL, Airtable, Agile, Bitbucket/Jira, Git.

Python Programming Instructor | Juni Learning

Jan. 2021 – Jan. 2022

- Provided instruction to 20+ students weekly in OOP, algorithms, and game development courses.
- Skills: Python, NumPy, Pandas, Algorithms.

PROJECTS

CreateX Web App

Jan. 2023 – May 2023

- Developed a virtual-asset, exchange-market application built with Django and React.js, successfully emulating market forces on an exchange-market.
- Designed RESTful backend enabling buying, selling, and user-to-user order matching.
- Implemented a PostgreSQL database schema hosted with AWS RDS.
- Skills: React.js, JavaScript, Django, Python, PostgreSQL, AWS, Heroku.

SafeRoute Web App

June 2023

- Created SafeRoute, an application to assist potentially threatened demographics by providing region- specific safety and personal freedom information based on user input.
- Parsed the CATO Human Freedom Index into JSON format to provide a data source for developing region specific ratings
- Skills: React.js, JavaScript, Express.js, and Mongo DB.

SKILLS

Languages: C/C++, C#, Python, JavaScript/TypeScript, Java, SQL, MongoDB

Tools and Frameworks: .NET, Django, Vue.js, React.js, Node.js, AWS, Heroku, Bitbucket, Git/GitHub, Linux